



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

D1038-58B
Job Sheet 197181



rush
split
40

Part No: D1038-58B

Job Qty: 50 pcs

Part Name: Avionics Fastener Rail



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 7/2/19

Job Tracking No:

Created By: Marie Lajeunesse

Due Date: 8/5/19

Description:

Type: Stock

Note: DWG REV B-IPP: E-03.05.02 Reformat; Added label KJ/RF IPP Rev:F 06-08-16 Updated Packaging Procedures JLM IPP Rev:G 08-09-16 Added Folio # JLM Verified by:EC

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
110	Bandsaw - 1	50 pcs	8/5/19	8/5/19	0.00	0.77	Bandsaw - 1		<i>JIP 19-08-11</i>
120	HAAS 4 Axis - B4B	50 pcs	8/5/19	8/5/19	1.00	8.26	HAAS - 1 - B4B		<i>JIP 19-08-11</i>
							HAAS - 2 - B4B		
							HAAS - 3 - B4B		
							HAAS - 4 - B4B		
130	QC 2	50 pcs	8/5/19	8/5/19	0.00	0.00	QC 2 - 1		
							QC 2 - 12		
							QC 2 - 14		
							QC 2 - 17		
							QC 2 - 19		
							QC 2 - 2		
							QC 2 - 20		
							QC 2 - 22		
							QC 2 - 23		
							QC 2 - 25		
							QC 2 - 32		
							QC 2 - 33		
							QC 2 - 35		
							QC 2 - 39		
							QC 2 - 4		
							QC 2 - 40		
							QC 2 - 44		
							QC 2 - 45		
							QC 2 - 48		
							QC 2 - 49		
							QC 2 - 50		
							QC 2 - 51		
							QC 2 - 52		
							QC 2 - 57		
							QC 2 - 62		



Container No: S204483



Part: D1038-58B

Job No: 197181

Serial No/Batch: S204483

Revision: B

Inspector:

Exp Date:

Instructions: Various STC's

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Date: 08/11/19

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				QC 2 - 63	
				QC 2 - 8	
				QC 2 - 66	
				QC 2 - 64	
				QC 2 - 65	
				QC 2 - 5	
				QC 2 - 71	
				QC 2 - 73	DTP 12-11
				QC 2 - 69	
				QC 8 - 12	
140 QC 8	50 pcs	8/5/19	0.00 0.00	QC 8 - 14	
				QC 8 - 17	
				QC 8 - 20	
				QC 8 - 25	
				QC 8 - 3	
				QC 8 - 32	
				QC 8 - 33	
				QC 8 - 35	
				QC 8 - 39	
				QC 8 - 4	
				QC 8 - 44	
				QC 8 - 45	
				QC 8 - 49	Hand 11/05/11
				QC 8 - 58	
				QC 8 - 8	
				QC 8 - 9	
				QC 8 - 68	
				QC 8 - 67	
				QC 8 - 1 (A)	
				QC 8 - 47	
QC 8 - 40					
QC 8 - 52					
QC 8 - 23					
QC 8 - 57					
150 Small Fab - 2 - B4B	50 pcs	8/5/19	0.00 12.25	Small Fab - 1 - B4B	
				Small Fab - 2 - B4B	
				Small Fab - 3 - B4B	
				Small Fab - 4 - B4B	
				Small Fab - 5 - B4B	
				Small Fab - 6 - B4B	
				Small Fab - 7 - B4B	GP 19-12-04
160 QC 5	50 pcs	8/5/19	0.00 0.00	QC 5 - 10	
				QC 5 - 12	
				QC 5 - 17	
				QC 5 - 18	
				QC 5 - 19	
				QC 5 - 22	
				QC 5 - 24	
				QC 5 - 3	
				QC 5 - 43	
				QC 5 - 49	
				QC 5 - 51	
				QC 5 - 58	
				QC 5 - 68	
				QC 5 - 9	
				QC 5 - 50	DAS
				QC 5 - 30	40
QC 5 - 40	DEC 04 2019 9-59				
165 Handfinish - 2-1 Pressure-	50	8/5/19	0.00 4.17	Handfinish - 2 - 1 -	
				Plex 7/2/19 11:07 AM Dart.lajeunesse.marie	

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B4B			pcs				B4B		
							Handfinish - 2 - 2 - B4B		✓ DEC 05 2019
							Handfinish - 2 - 3 - B4B		
							Handfinish - 2 - 4 - B4B		
170	Outsource - 4 - Anodize	50	8/5/19				ATG001-VC	8	DP 2019-12-05
		pcs							
180	Packaging 2-1 - Recelve - B4B	50	8/5/19	0.00	0.00		Packaging 2 - 1 - B4B		
		pcs					Packaging 2 - 2 - B4B		
							Packaging 2 - 3 - B4B		
							Packaging 2 - 5 - B4B		
							Packaging 2 - 4 - B4B		
							Packaging 2 - 6 - B4B		
							Packaging 2 - 7 - B4B		
							Packaging 2 - 8 - B4B		
							Packaging 2 - 9 - B4B		
							Packaging 2 - 10 - B4B		
							Packaging 2 - 11 - B4B		
							Packaging 2 - 12 - B4B		
							Packaging 2 - 13 - B4B		DP DEC 18 2019
							Packaging 2 - 14 - B4B		
							Packaging 2 - 15 - B4B		
							Packaging 2 - 16 - B4B		
							Packaging 2 - 17 - B4B		
							Packaging 2 - 18 - B4B		
							Packaging 2 - 19 - B4B		
							Packaging 2 - 20 - B4B		
							Packaging 2 - 21 - B4B		
							Packaging 2 - 22 - B4B		
							Packaging 2 - 23 - B4B		
							Packaging 2 - 24 - B4B		
							Packaging 2 - 25 - B4B		
							Packaging 2 - 26 - B4B		
							Packaging 2 - 27 - B4B		
							Packaging 2 - 28 - B4B		
							Packaging 2 - 29 - B4B		
							Packaging 2 - 30 - B4B		
							Packaging 2 - 31 - B4B		
							Packaging 2 - 32 - B4B		
							Plex 7/2/19 11:07 AM Dart.lajeunesse.marie		

					Packaging 2 - 33 - B4B	
					Packaging 2 - 34 - B4B	
					Packaging 2 - 35 - B4B	
					Packaging 2 - 36 - B4B	
190 QC 3	50 pcs	8/5/19	0.00	0.00	QC 3 - 10	
					QC 3 - 13	
					QC 3 - 15	
					QC 3 - 17	
					QC 3 - 18	
					QC 3 - 2	
					QC 3 - 28	
					QC 3 - 3	
					QC 3 - 30	
					QC 3 - 34	
					QC 3 - 36	
					QC 3 - 41	
					QC 3 - 51	
					QC 3 - 58	
					QC 3 - 59	
					QC 3 - 68	DEC 18 2019 DAS 68
					QC 3 - 9	9-89
					QC 3 - 40	
					QC 3 - 19	
					QC 3 - 43	
					QC 3 - 24	
					QC 3 - 61	
					QC 3 - 81	
200 Small Fab - 2 - B4B	50 pcs	8/5/19	0.00	12.25	Small Fab - 1 - B4B	
					Small Fab - 2 - B4B	
					Small Fab - 3 - B4B	
					Small Fab - 4 - B4B	JAN 02 2020
					Small Fab - 5 - B4B	
					Small Fab - 6 - B4B	
					Small Fab - 7 - B4B	
210 QC 5	50 pcs	8/5/19	0.00	0.00	QC 5 - 10	
					QC 5 - 12	
					QC 5 - 17	
					QC 5 - 18	
					QC 5 - 19	
					QC 5 - 22	
					QC 5 - 24	
					QC 5 - 3	
					QC 5 - 43	
					QC 5 - 49	
					QC 5 - 51	
					QC 5 - 58	
					QC 5 - 68	
					QC 5 - 9	
					QC 5 - 50	
					QC 5 - 30	
					QC 5 - 40	
220 Packaging 3-1 - Stock - B4B	50 pcs	8/5/19	0.00	0.00	Packaging 3 - 1 - B4B	
					Packaging 3 - 2 - B4B	
					Packaging 3 - 3 - B4B ✓	ST120A DAS 80
					Packaging 3 - 4 - B4B	9-89
					Packaging 3 - 5 - B4B	JAN 07 2020

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				Packaging 3 - 6 - B4B	
				Packaging 3 - 7 - B4B	
				Packaging 3 - 8 - B4B	
				Packaging 3 - 9 - B4B	
				Packaging 3 - 10 - B4B	
				Packaging 3 - 11 - B4B	
				Packaging 3 - 12 - B4B	
				Packaging 3 - 13 - B4B	
				Packaging 3 - 14 - B4B	
				Packaging 3 - 15 - B4B	
				Packaging 3 - 16 - B4B	
				Packaging 3 - 17 - B4B	
				Packaging 3 - 18 - B4B	
				Packaging 3 - 19 - B4B	
				Packaging 3 - 20 - B4B	
				Packaging 3 - 21 - B4B	
				Packaging 3 - 22 - B4B	
				Packaging 3 - 23 - B4B	
				Packaging 3 - 24 - B4B	
				Packaging 3 - 25 - B4B	
				Packaging 3 - 26 - B4B	
				Packaging 3 - 27 - B4B	
				Packaging 3 - 28 - B4B	
				Packaging 3 - 29 - B4B	
				Packaging 3 - 30 - B4B	
				Packaging 3 - 31 - B4B	
				Packaging 3 - 32 - B4B	
				Packaging 3 - 33 - B4B	
				Packaging 3 - 34 - B4B	
				Packaging 3 - 35 - B4B	
				Packaging 3 - 36 - B4B	DAS 21
225 DC - 1 - B4B	50 pcs	8/5/19	0.00 0.00	DC - 1 - B4B	9-ss JAN 07 2020
				DC - 2 - B4B	
230 QC 21 - FG	50 pcs	8/5/19	0.00 0.00	QC 21 - FG - 21 ✓	ST120A
				QC 21 - FG - 70	DAS
				QC 21 - FG - 53	21 3-ss JAN 07 2020
Part Op 110 - Bandsaw - Cut extrusion D2023 to length 21.81" (+0.06/-0.00)					

Descriptions: 120 - HAAS CNC Vertical Machine - 1- Mill as per Folio FA783 Rev: B & Dwg D1038 Rev: B 2-Deburr per dwg D1038
 130 - QC2- Inspect parts off machine FAI/FAIB
 140 - QC8- Inspect parts - second check
 150 - Small Fab - Deburr
 160 - QC5- Inspect part completeness to step on W/O
 165 - Pressure Wash per QSI005 4.3/ Clean and remove all markings - Clean rail from all marking using acid etch and scotch brite before sending to get anodize
 170 - Issue P/O: 45323 Black Anodize as per Dwg D1038
 180 - Receive & Inspect for Damage & Mat'l Certs
 190 - QC3- Inspect Part Finish
 200 - Small Fab - 1-Stake .050 stainless steel wire per Dwg D1038-58 using DT8389 Batch: _____ 2-Grind wire flush and deburr 3-Clean
 210 - QC5- Inspect part completeness to step on W/O
 220 - Identify as per dwg & Stock Location: _____ - 1-Pack each fastener rail into a cardboard tube 2-Roll Part in foam .
 3-Install red cap at each end and secure with tape. 4-Apply white labels to cardboard tubes 5-Identify and Stock Location: FG120A
 225 - Document Control - Create white labels and bag them
 230 - QC21- Final Inspection - Work Order Release

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
D2023	Extrusion, Fastener Rail	95.1500 ft (1.903 ea)	110-Bandsaw - 1	<u>FK40800</u>

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
110-Bandsaw - 1	D2023	95	3,883	0

Part Specifications

Specifications could not be found.

MAT
used
91.87

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(21,850" each)
(1,821" each)

1.821' x 50 pcs
91.05 ft total

Mat used => 91,875 ft.

BOM - 91,050 ft

Scrap => 0,825 ft



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

POHB045323



Supplier: ATG001-VC
A.T.G. Industries Inc
760 INDUSTRIELLE STREET
ROCKLAND
ON
K4K 1T2 Canada
Phone: 613-446-4544
Fax: 613-446-4556

Attention: Lalonde, Marc-Andre

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: POHB045323

PO Date: 12/5/19

Due Date: 12/23/19

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Guerin, Kimberley
Phone: 613-632-5200 Ext: 298
kguerin@dartaero.com

Via: Ground

Pymt Terms: Net 60

Freight Terms:

Special Comments:

2019-12-11

Items												
Line Item	Job	Part	Drawing	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	197181	D1038-58B	D1038 Rev B	Avionics Fastener Rail : Various STC's Issue P/O: Black Anodize as per Dwg D1038 and QSI 017 4.1.10 Anodize per MIL-A-8625F Type I or IB or IC or IIB Class 2, Type III Class 2	Firmed	-	12/16/19	50 pcs	0 pcs	50 pcs	\$4.96/pcs	\$248.00
Line Item Note **NEED BY DEC 16**												
2	203216	D5553-1	D5553 Rev A	Bracket : Various STC's ISSUE P/O: ANODIZE BLACK PER MIL-A-8625F TYPE I OR IB OR IC OR II OR IIB CLASS 2 C OF C IS REQUIRED	Firmed	-	12/23/19	8 pcs	0 pcs	8 pcs	\$4.96/pcs	\$39.68
3	203261	646.9712	646.9700 Rev H	Body : Various STC's Issue P/O to ATG : Hard Anodize, Color Black and Prime as per Dwg 646.9700	Firmed	-	12/23/19	15 pcs	0 pcs	15 pcs	\$16.21/pcs	\$243.15
Grand Total:											\$530.83	

Guérin



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Canada

Tel (813) 632-5200

PURCHASE ORDER

POHB045323



Order Notes

Procurement Quality Clauses

A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing
A024 process certifications

A026 certification of material conformance

A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 12/11/19 4:11 PM Dart.Guerin.Kimberley



A.T.G. Industries Inc.
760 Industrielle Street
Rockland, ON K4K 1T2
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

Pack List

Number: 919250

Date: 17-Dec-19

To

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ship To

Kimberley Guerin
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ph: 613 632-9577

Fax: 613 632-1053

Ph: 613 632-9577

Fax: 613 632-1053

Terms		Ship Via	
		ATG Delivery	
Quantity	Description		
	Please reference this document's Pack List number on all correspondences regarding this shipment. If you have any questions, please contact us.		
50 ea	Part: D1038-58B Avionics Fastener Rail Black Anodize per MIL-A-8625F, Type II, Class2, .0004-.0010" (4 - 1 mils). Job: 26579 PO: POHB045323	Rev: B	Line: 1
8 ea	Part: D5553-1 Bracket Anodize per MIL-A-8625F, Type II, Class2, Black, .0004-.0010" (4 - 1 mils). Job: 26580 PO: POHB045323	Rev: A	Line: 2
15 ea	Part: 646.9712 Body Hard Black Anodize per MIL-A-8625F, Type III, Class2, .0005-.0045" (.5 - 4.5mils) Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0001-.0002" (1 - 2 mils) per drawing. Batch/Lot#: 120902 Job: 26581 PO: POHB045323	Rev: H	Expiry Date: 10/20 Line: 3
CERTIFICATE OF CONFORMANCE A.T.G Industries Inc. certifies that all items in this shipment conform to the requirements. Date: DEC 17 2019 Certified Signature:  Made in Canada.			

RECEIVED

DEC 17 2019

DART AEROSPACE LTD.



A.T.G. Industries Inc.
760 Industrielle Street
Rockland, ON K4K 1T2
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

Pack List

Number: 919250

Date: 17-Dec-19

To

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ship To

Kimberley Guerin
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ph: 613 632-9577

Fax: 613 632-1053

Ph: 613 632-9577

Fax: 613 632-1053

Terms		Ship Via
		ATG Delivery
Quantity	Description	
	Receiver Signature: _____ A.T.G Industries Inc. is AS9100 Registered and Nadcap Chemical Processing Accredited. Note: This Packing Slip may contain parts that have been PLATED. Items that are plated may be subject to natural tarnishing and it is suggested that they be inspected within 24 hours of receipt.	
Made in Canada.		

Entered: _____ Date: _____

WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐



Job: _____ Part No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐				DEPARTMENT/PROCESS Skid-tube ☐ Cross tube ☐ Eng. (Non-AW) ☐ Machining ☐ Small Fab ☐ Prod. Eng. Coord. ☐ Large Fab ☐ Finishing ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐				Date: _____ Sequence #: _____		QTY Affected: _____		MRB (QS1042) _____	
Description Work Order Deviation						Disposition									
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Preservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐						FAULT CATEGORY									
						Pressure/Forced Bending Crushing Cracks Crimp/Kink/Ripple/Wave/Twist Marks/Chatter Mislabeled		Contamination Misaligned/off center BOM/Route Broken/Damage/Defect Incomplete/Unclear Instructions Drill Holes Fit/Function		Power Loss/Surge Folio/Program Grain Direction Weld Wrong Stock Pulled Out of Sequence Off-set/Set-up		Positioned Wrong Outside Tolerance Drawing Finish Part Lost/Missing Misread			
						Other/Details: _____									
Completed By _____						Lead hand / Supervisor _____									
QC / QA Coordinator _____															